[redacted] **Final** **FOCUS REPORT**
New Chemicals Program

PART I: BACKGROUND

Written By: BEF

FOCUS DATE: 9/15/2008 **FOCUS CHAIR:** M.WigLewis

COMPANY: [redacted]

CASE NUMBER(S): P08-0691 **through** **and**

PART II: SAT RESULTS

HEALTH: 1-2 **ECOTOX:** 1 **OCCUPATIONAL EXPOSURE:** 1D **CONSUMER EXPOSURE:** 2 **ENVIRONMENTAL RELEASES:** 2

Additional SAT Information:

PART III: OTHER FACTORS

a. **PRODUCTION VOLUME:** [redacted] kg/yr

b. **PROD VOL OTHER:**

c. **USE:** [redacted]

d. **REGULATORY HISTORY:** NRC

e. **TEST DATA:**

f. **IMPORTED** [redacted] **MANUFACTURED** [redacted] **BOTH** [redacted]

g. **MSDS:** ☑

h. **CATEGORY:** Polynonionic Polymers **CATEGORY 2:**

PART IV: SUMMARY OF SAT ASSESSMENT

CASE NUMBER: P08-0691

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN:□□□□HEALTH□□ECOTOX

LEVEL OF CONCERN:□□□□ 1-2□□ 1

KEYWORDS:

IRR-S,E,MM
LUNG

SUMMARY OF ASSESSMENT

FATE: [redacted]

[redacted]

POTW removal (%) = 90 via sorption
Time for complete ultimate aerobic biodeg > mo

Sorption to soils/sediments = v.strong
PBT Potential: P3B1T1
*CEB FATE: Migration to ground water = negl

HEALTH: Absorption is nil all routes based on physical/chemical properties. Concern for irritation to the eyes, skin, and mucous membranes, based on pH [redacted]). Concern for lung overload if inhaled, based on [redacted].
*CEB HEALTH: Low-moderate concern (Inhalation, dermal, ingestion).
XB Health: Testing desired (Inhalation)

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L (ppm) are:
fish 96-h LC50 = * P
daphnid 48-h LC50 = * P
green algal 96-h EC50 = * P
fish chronic value = * P
daphnid ChV = * P
algal ChV = * P
Predictions are based on SARs for polynonionic polymers; SAR chemical class = polymer-nonionic-[redacted] pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;
low concern for toxicity;
assessment factor = 10.0
concern concentration = *

*CEB ECOTOX: No releases to water.
XB ECOTOX: No testing desired

PART V: RAD RISK RATIONALE: HUMAN HEALTH

PART VI: SUMMARY OF EXPOSURE/RELEASE

Use:
[redacted]

Releases to Water: [redacted]
OR Incineration OR Landfill
Releases via Incineration: [redacted]
OR Landfill

Fate: Releases to Water (90% Removal Efficiency)
SWC: 132.08 ppb
DW: LADD: 2.69E-7 mg/kg/d, ADR: 6.03E-7 mg/kg/d

PART VII: FOCUS DECISION AND RATIONALE

DISPOSITION: Drop

RATIONALE: P08-0691 was dropped based from further review. Potential health risks from dermal contact were mitigated by protective gear and inhalation was negligible. The following CEB criteria were met: [redacted] No EAB criteria were met. No exposure based testing was required. Concerns for potential risks to the environment were low based on no effects expected at saturation.

PART VIII: CCD DISPOSITION / DD

CCD:

STRUCTURE ACTIVITY TEAM REPORT ver. 04/98 [redacted]

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Case #: P-08-0691	**DCN:**
SAT Date: 9/9/2008	**SAT Chair:** J. Kwiat

Submitter: [redacted]

Chemical Name:

[redacted]

CAS RN: [redacted]	**Trade Name:** [redacted]

Structure

[redacted]

Molecular Formula: [redacted]			
Molecular Wt. [redacted]	**WT%<500:** [redacted]	**WT%<1000:** [redacted]	
MP:	**BP:** [redacted]	**Eq. Wt:**	
H2O Sol (g/L): [redacted]	**V.P.** [redacted]		
Max. Prod. Volume (kg/yr): [redacted]	**Physical State:** [redacted]		

USE:

[redacted]

Related Case Numbers	Case Role	Related Case Numbers	Case Role

Focus Date: 9/15/08 Results: Drop

STRUCTURE ACTIVITY TEAM REPORT [redacted]

CASE NUMBER: **P08-0691**

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

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algal ChV	=	*	P

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concern concentration = *

*CEB ECOTOX: No releases to water.
XB ECOTOX: No testing desired

Jim Kwiat, 564-7653

NCSAB SAT REPORT

PMN: P-08-0691	CAS RN:
Chemical Name:	Analogs:
	Production Volume:

Structure:

Use:

Formula:		Eq Wt:			
Mol Weight:		Wt%<500:		Wt%<1000	
MP:		BP:	>320 (dec.)	VP:	<0.000001
H2O Sol (g/L):		Physical State:		Log P:	

Endpoint (mg/L)	Est. Value	Meas. Value	Comments
Fish 96-h	*		
Daphnid 48-h	*		
Algal 96-h	*		
Fish ChV	*		
Daphnid ChV	*		
Algal ChV	*		
BCF			

CHEMICAL CLASS:				SAR: polymer - non -	
ECOTOX CONCERN	H	M	(L)	CONCERN CONCENTRATION	*
DATE 9/9/08				ASSESSOR:	

OPPT STRUCTURE ACTIVITY TEAM (SAT) MEETING DATE 9/9/08

ATTENDEES	SIGNATURE
CHEMISTRY	
___ Paul Bickart	
___ Diana Darling	
✓ Rich Engler	Rich Engler
___ Greg Fritz	
___ Daniel Lin	
✓ Kathy Schechter	Kathy Schechter
✓ Rebecca Edelstein	Rebecca Edelstein
ENVIRONMENTAL FATE	
___ Bob Boethling	
___ Wen-Hsiung Lee	
___ Laurence Libelo	
___ David Lynch	
___ Andy Mamantov	
___ _____	
HEALTH	
___ Katherine Anitole	
✓ Michael Cimino	
✓ Steve Cragg	
✓ Leonard Keifer	
___ David Lai	
✓ Jim Murphy	
___ Deborah Norris	
✓ Ronald Ward	
✓ Yin Tak Woo	
___ _____	
___ _____	
ENVIRONMENTAL EFFECTS	
___ Gordon Cash	
___ Maggie Wilson	
___ _____	
___ _____	
SAT CHAIR/OTHER	
___ Rebecca Jones	
___ Leonard Keifer	
✓ Jim Kwiat	
___ _____	
___ _____	